

- rafts
- raft generator, electrodes, interconnect box, switch, boom, cables
- raft personal safety gear (helmets, knives, throw bags, PFDs)
- raft first aid supplies
- raft oars/oarlocks/oarlock stands/frames
- raft dry boxes
- raft coolers
- raft live wells
- raft transport (trailer or alternative)
- raft pump and gauge
- raft patch kit
- raft lines & tie-downs
- handheld sonar
- dip net with handle for boat electrofishing
- BP-EF (Backpack electrofisher)
- BP-EF anode ring and pole
- BP_EF cathode
- BP-EF battery
- BP-EF battery charger
- BP-EF live wells
- BP-EF dip net with handle
- Waders- electrically insulated
- Wading boots (free of nuisance species)
- Backpacks (e.g, internal frame)
- Electrically insulated gloves for electrofishing
- voucher jars (500 ml)
- ethanol-95%
- measuring board
- *Inland Fishes of Washington Second Edition*
- *Field Identification of Coastal Juvenile Salmonids*
- *A Field Guide to Freshwater Fishes : North America North of Mexico*
- *Amphibians of Oregon, Washington And British Columbia: A Field Identification Guide*
- *Amphibians of the Pacific Northwest*
- polarized sun glasses
- caps with visor
- aquarium net
- loup or magnifying glass
- meter/probe for pH
- meter/probe for dissolved oxygen, % oxygen saturation
- meter/probe for water temperature
- meter/probe for conductivity
- meter/probe/wading rod for water velocity
- turbidimeter (including degasser apparatus)
- turbidimeter quality control check standards
- turbidimeter calibration standards
- turbidimeter sample cells replacement

- NIST-traceable thermometer
- NIST-pH Buffer Sol. 6.865 ± 0.015 @ 25C for QCCS (Metcalf and Peck 1993)
- conductivity Standard, 180 µS/cm (180 µmho/cm) at 25°C
- conductivity Standard, 100 µS/cm (100 µmho/cm) at 25°C
- low Ionic Strength Buffer pH 4.10
- low Ionic Strength Buffer pH 6.97
- low Ionic Strength Buffer pH 9.15
- pH 7 Calibration standards
- pH 4 Calibration standards
- pH 10 Calibration standards
- barometer
- deionized water
- lab tissues (e.g. Kim Wipes®)
- batteries
- Winkler bottles
- Winkler field collection funnel
- Winkler sample preservatives
- coolers
- Winkler titrator, chemicals, flasks, detergent, personal protective gear
- latex Gloves (powder-free)
- ice
- 30-gal garbage bags
- stainless steel bowl
- stainless steel spoon
- turkey baster
- gloves- non-powdered nitrile
- aluminum foil
- wash bottles
- Liquinox/Alconox
- acetone (pesticide grade)
- nitric acid (10%)
- MSDS
- personal protection gear
- D-frame kick net with handle
- benthos sample Jars
- clear tape (wide)
- electrical tape
- compass
- calipers
- laser Rangefinder
- laser Level
- hand level (5x mag)
- monopod
- clinometer
- flagging tape
- densiometer (convex)

- surveyors rod
 - measuring tape (50-m metric)
 - GPS
 - camera with macro lens
 - clip boards
 - fishing vest
 - field notebook
 - headlamp
 - decontamination gear (elim. nuisance species)
 - spring clips for instruments on vest
 - pencil (no.2)
 - pencil sharpener
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¹ Ecology will supply field forms, sample tags, water sample jars, sediment chemistry sample jars, & forms issued by the Manchester Environmental Lab.